



Western Michigan University
ScholarWorks at WMU

Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

12-4-2020

2020-12-04_MichiganOverview_COVIDstats

Michigan Department of Health & Human Services

Follow this and additional works at: <https://scholarworks.wmich.edu/michigan-covid-data-state-cumulative>



Part of the Public Health Commons

WMU ScholarWorks Citation

Michigan Department of Health & Human Services, "2020-12-04_MichiganOverview_COVIDstats" (2020).
Cumulative Michigan COVID-19 Data. 265.

<https://scholarworks.wmich.edu/michigan-covid-data-state-cumulative/265>

This Website is brought to you for free and open access
by the Michigan COVID-19 State Data at ScholarWorks at
WMU. It has been accepted for inclusion in Cumulative
Michigan COVID-19 Data by an authorized administrator
of ScholarWorks at WMU. For more information, please
contact wmu-scholarworks@wmich.edu.



Coronavirus

MI SAFE START

CONTAIN COVID

RESOURCES

PRESS RELEASES

DONATE

VIDEO UPDATES

CORONAVIRUS / MICHIGAN DATA

Michigan Data

- DATA ABOUT PLACES
- LONG TERM CARE FACILITIES
- CORONAVIRUS SYMPTOMS
- CUMULATIVE RECOVERED
- OUTBREAK REPORTING
- SCHOOL-RELATED OUTBREAK REPORTING
- WASTEWATER SURVEILLANCE
- TESTING TURNAROUND TIME

Current COVID-19 Statewide Data and Modeling Updates

Information on testing, disease trends, outbreaks, hospitalizations, deaths and the virus trajectory.

- December 1, 2020 slide deck.
- November 24, 2020 slide deck.
- November 18, 2020 slide deck. View a live presentation of the Nov. 18 data.

The State of Michigan is working around the clock to test and treat COVID-19 patients. Below is the most recent data healthcare experts across the state have compiled. It is updated Monday - Saturday.

CURRENT STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

DIAGNOSTIC TESTING

LEARN MORE

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County

12-323

324-1406

1407-6435

6436-50013

50014+

Michigan

Friday, December 4, 2020

Michigan (Statewide) Case Fatality Rate

2.5%

Current Totals

Case Status	Cases	Deaths
Confirmed	389,032	9,661
Probable	31,236	456
Total	420,268	10,117

Laboratory Testing

Test Type	Tests Performed
Diagnostic	6,973,170
Serology	375,457
Total	7,348,627

Microsoft Power BI

< 1 of 7 >

Have questions?

Chat with Robin

https://www.michigan.gov/coronavirus/0,9753,7-406-98163_98173---,00.html

1/2

Cases by Hispanic/Latino Ethnicity

Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Hispanic/Latino	5.62%	2.72%
Non-Hispanic Latino	67.08%	84.24%
Unknown	27.30%	13.04%

Totals may not add to 100% due to rounding

Cases by Arab Ethnicity

Arab Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Arab	2.72%	1.84%
Non-Arab	47.10%	51.45%
Unknown	50.18%	46.70%

Totals may not add to 100% due to rounding



PUBLIC USE DATASETS 12/04/2020

(Downloadable .xlsx files)

Cases and Deaths by County

Cases and Deaths by County by Date of Onset of Symptoms and Date of Death

Cases by Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

MICHIGAN.GOV HOME
ADA
MICHIGAN NEWS
POLICIES

COPYRIGHT 2020 STATE OF MICHIGAN

Cumulative Total of Recovered COVID-19 Cases

Cumulative Total of Recovered COVID-19 Cases (as of 11/25/2020): **165,269**

Note on recovery: Due to the holiday, recovered statistics were calculated on November 25th. During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on November 25, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to October 26, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

Source: Michigan Disease Surveillance System and Vital Records



Have questions?
 Chat with Robin

[View Cases](#)[View Deaths](#)[View Table](#)

Select Preparedness Region:

All



Select County:

All



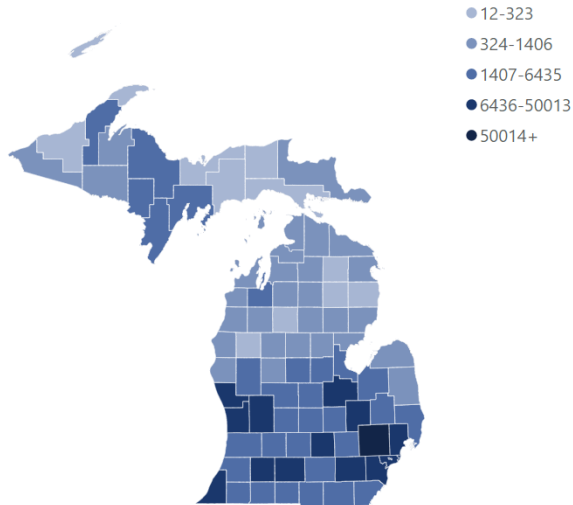
This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County



Michigan

Friday, December 4, 2020

Michigan (Statewide) Case Fatality Rate

2.5%

Current Totals

Case Status	Cases	Deaths
Confirmed	389,032	9,661
Probable	31,236	456
Total	420,268	10,117

Laboratory Testing

Test Type	Tests Performed
Diagnostic	6,973,170
Serology	375,457
Total	7,348,627

[View Cases](#)[View Deaths](#)[View Table](#)

Select Preparedness Region:

All

Select County:

All

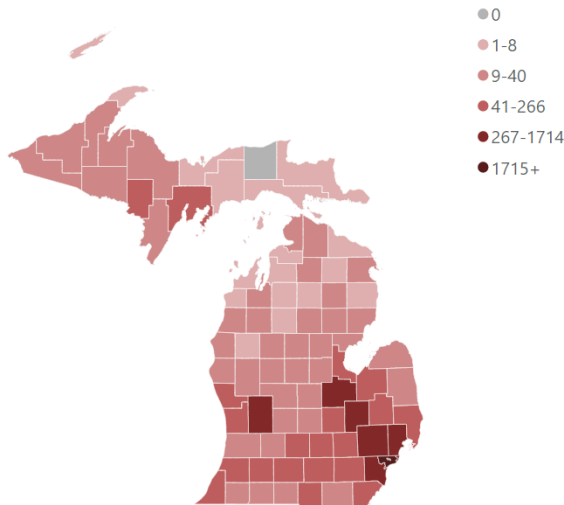
This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Deaths by County

Confirmed deaths include individuals who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Probable deaths include individuals who have COVID indicated on their death certificate, but have not had a positive diagnostic test.

Deaths by County



Michigan

Friday, December 4, 2020

Michigan (Statewide) Case Fatality Rate

2.5%

Current Totals

Case Status	Cases	Deaths
Confirmed	389,032	9,661
Probable	31,236	456
Total	420,268	10,117

Laboratory Testing

Test Type	Tests Performed
Diagnostic	6,973,170
Serology	375,457
Total	7,348,627

Confirmed Cases

Deaths

View Table

Select Preparedness Region:

All



Select County:

All



Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Daily Cases by Status

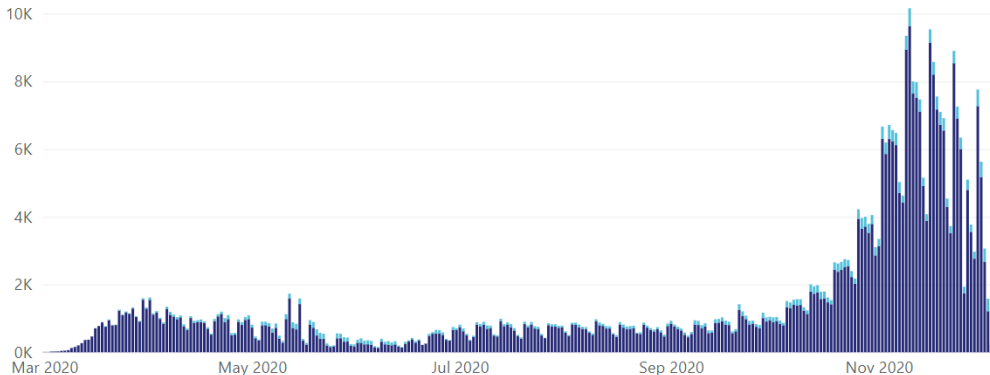
The number of daily confirmed cases represent the total number of people who had a positive diagnostic test for COVID-19 by the date of the onset of their symptoms.

Filter by Date:

3/1/2020

12/4/2020

Cases by Date of Onset

Case Status ● Confirmed ● Probable

Confirmed Cases

Deaths

View Table

Select Preparedness Region:

All



Select County:

All



Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Daily Deaths by Status

Confirmed deaths include individuals who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Data are shown by the date of death.

Filter by Date:

3/1/2020

12/4/2020

Deaths by Date of Death

Case Status ● Confirmed ● Probable

150

100

50

0

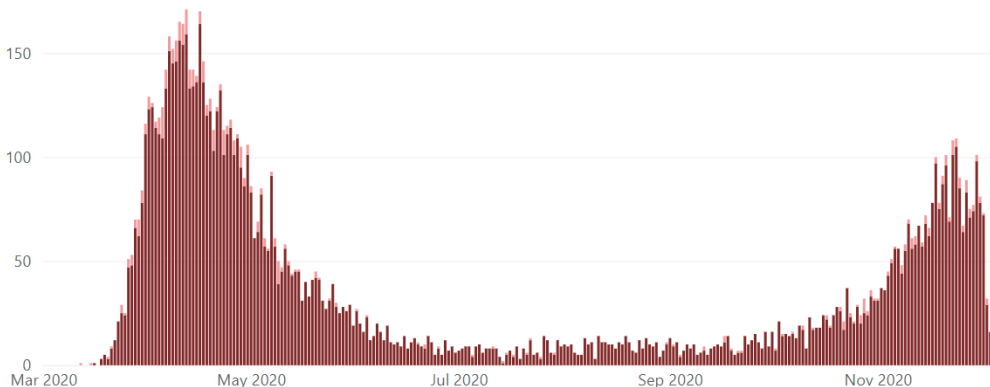
Mar 2020

May 2020

Jul 2020

Sep 2020

Nov 2020



[View Table](#)[View Chart](#)

Select Preparedness Region:

All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore these data are not displayed by date.

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Cumulative Confirmed Cases and Deaths among Confirmed Cases

Cumulative cases represent the total number of people who had a positive diagnostic test for COVID-19. Cases are shown by the date of onset of symptoms. Cumulative Deaths represent the total number of people who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Deaths are shown by date of death.

Filter By Date:

3/1/2020

12/4/2020

Cumulative Confirmed Cases and Deaths among Confirmed Cases by Date

● Confirmed Cases ● Deaths

0.4M

0.3M

0.2M

0.1M

0.0M

Mar 2020

May 2020

Jul 2020

Sep 2020

Nov 2020

Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

- ☒ Confirmed
☐ Probable

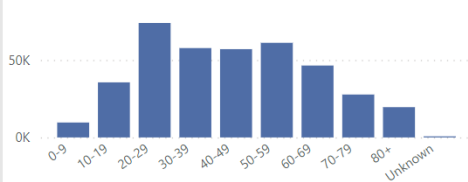
Select Preparedness Region:

All

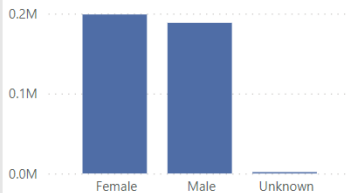
Select county:

All

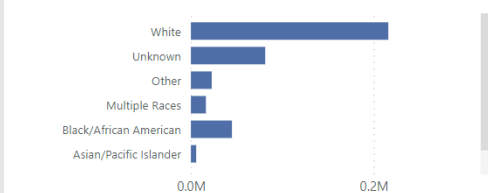
Cases by Age Group



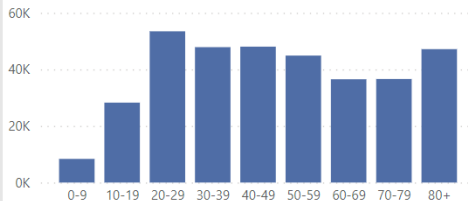
Cases by Sex



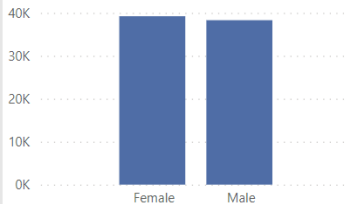
Cases by Race



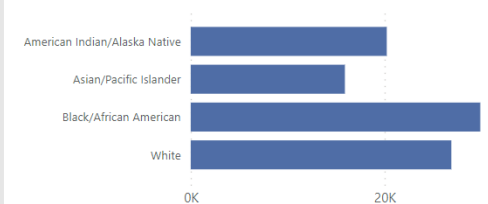
Cases per Million by Age Group



Cases per Million by Sex



Cases per Million by Race



Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

☐ Confirmed☒ Probable

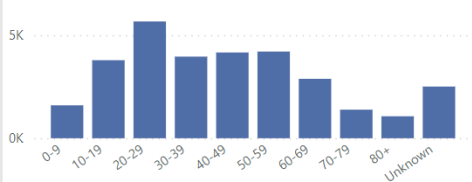
Select Preparedness Region:

All

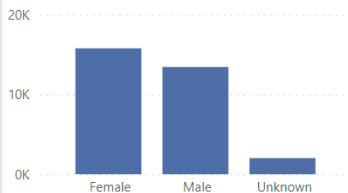
Select county:

All

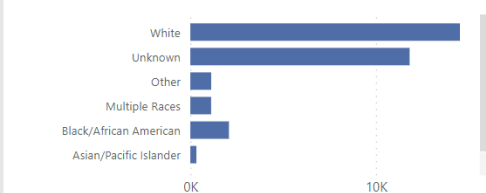
Cases by Age Group



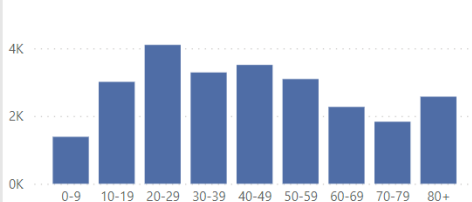
Cases by Sex



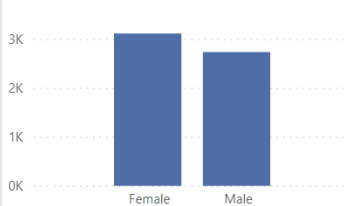
Cases by Race



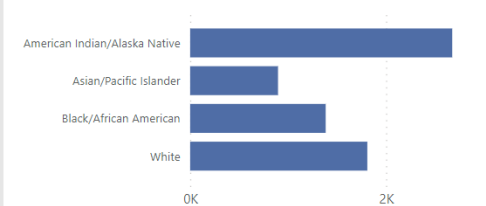
Cases per Million by Age Group



Cases per Million by Sex



Cases per Million by Race



Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

- ☒ Confirmed
☐ Probable

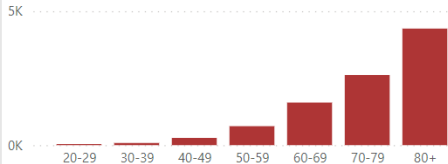
Select Preparedness Region:

All

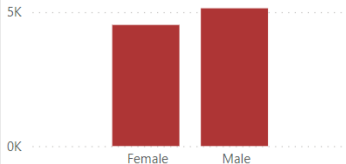
Select county:

All

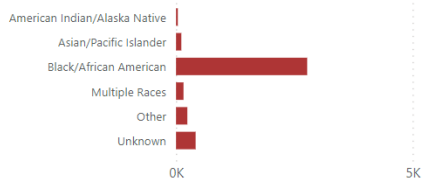
Deaths by Age Group



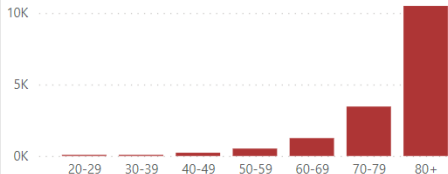
Deaths by Sex



Deaths by Race



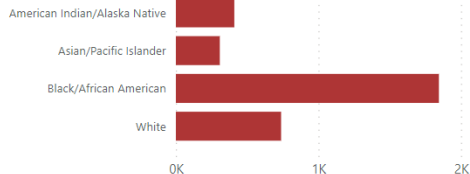
Deaths per Million by Age Group



Deaths per Million by Sex



Deaths per Million by Race



Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

- ☐ Confirmed
- ☒ Probable

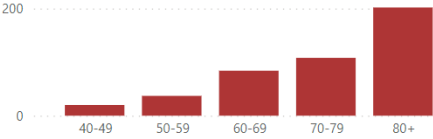
Select Preparedness Region:

All

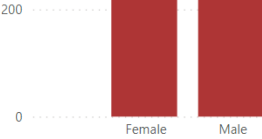
Select county:

All

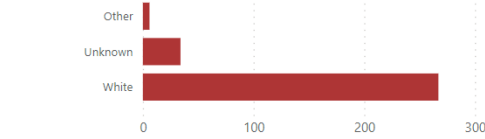
Deaths by Age Group



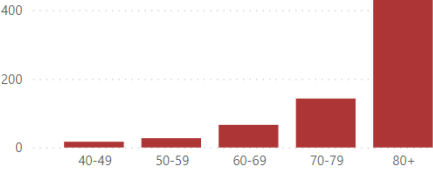
Deaths by Sex



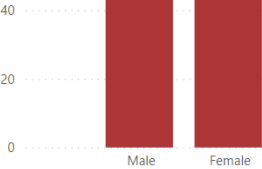
Deaths by Race



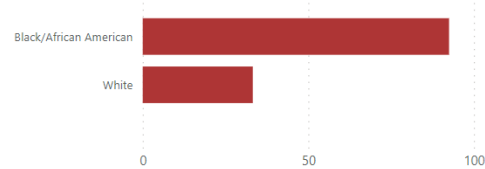
Deaths per Million by Age Group



Deaths per Million by Sex



Deaths per Million by Race



[View Table](#)[View Charts](#)

Select Preparedness Region:

All

Select County:

All

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Total Covid-19 Laboratory Tests

Total testing includes both diagnostic tests which are used to determine if an individual currently has COVID-19 and serology testing which is used to determine if a person has antibodies to Covid-19.

Filter by Date:

3/10/2020

12/3/2020

Total Laboratory Tests by Type and Date

Test Type ● Diagnostic ● Serology

100K

50K

0K

May 2020

Jul 2020

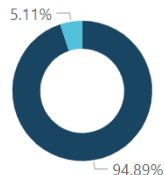
Sep 2020

Nov 2020

Total Tests Completed to Date

Test Type	Count	Tests per Million Residents
Diagnostic	6,973,170	697,936
Serology	375,457	37,579
Total	7,348,627	735,515

Percent of Tests Completed by Type



Test Type

● Diagnostic

● Serology

[View Table](#)[View Charts](#)

Select Preparedness Region

All



Select County

All



Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests. Diagnostic tests do not include serology tests which look for antibodies to SARS-CoV-2 in the blood.

Diagnostic Covid-19 Laboratory Tests

Diagnostic tests are used to determine if an individual is currently infected with Covid-19.

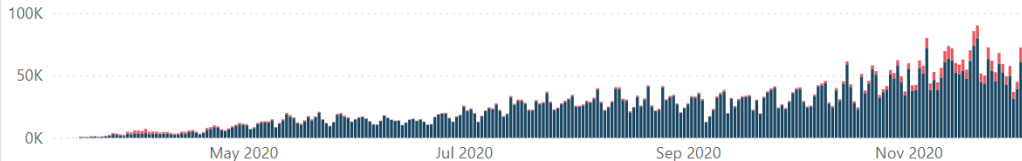
Filter by Date

3/10/2020

12/3/2020

Total Laboratory Tests by Type and Date

Test Type ● Negative ● Positive



Percent of Diagnostic Tests That Were Positive



Where does the data come from?

The State of Michigan COVID-19 Dashboard displays the most recent provisional data reported to the Michigan Department of Health and Humans Services (MDHHS) about cases in Michigan by selected demographics and county of residence (City of Detroit and Wayne County are reported separately). Data are reported to MDHHS via the [Michigan Disease Surveillance System \(MDSS\)](#). Provisional Death data are provided by the MDHHS Division for [Vital Records & Health Statistics](#).

How does MDHHS classify confirmed and probable cases?

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19. Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

How does MDHHS classify confirmed and probable deaths?

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'. Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

Why do the number of probable cases fluctuate?

The number of probable cases can change daily based on the investigation efforts of the health department. When a probable case is first reported, local and/or state health department staff investigate to determine if the person meets the case definition of probable. As additional information is gathered, the case could be re-classified to confirmed, remain as probable, or be determined as not a case.

Why do data in the demographics tab not sum to the total number of cases for a county or region?

Data are not shown whenever the number of cases for a particular demographic category is fewer than six to protect the confidentiality of individuals. Rates are not calculated for other, multiple, and unknown race because an appropriate population denominator is not available for these categories at the county level.

Where can I get more information about COVID-19?

Visit <https://www.michigan.gov/coronavirus> to find information on resources and assistance, answers to frequently asked questions, and the latest updates on Michigan's response to COVID-19. For COVID-19 updates from CDC visit <https://www.cdc.gov/coronavirus/2019-ncov>.

PUBLIC USE DATASETS

Cases and Deaths by County

README

Includes total cases and deaths to date by case status (confirmed or probable) and county.

County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

CASES AND DEATHS BY COUNTY 2020-12-04

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2020/12/04 15:10:17	Alcona	200	6	51	0
2020/12/04 15:10:17	Alger	165	1	81	1
2020/12/04 15:10:17	Allegan	4061	33	368	6
2020/12/04 15:10:17	Alpena	704	17	85	0
2020/12/04 15:10:17	Antrim	443	6	40	0
2020/12/04 15:10:17	Arenac	435	17	47	0
2020/12/04 15:10:17	Baraga	423	24	80	0
2020/12/04 15:10:17	Barry	2255	15	155	0
2020/12/04 15:10:17	Bay	4730	111	168	0
2020/12/04 15:10:17	Benzie	437	8	54	0
2020/12/04 15:10:17	Berrien	6891	118	479	5
2020/12/04 15:10:17	Branch	2257	37	218	2
2020/12/04 15:10:17	Calhoun	5727	124	709	5
2020/12/04 15:10:17	Cass	2216	30	191	0
2020/12/04 15:10:17	Charlevoix	575	7	85	0
2020/12/04 15:10:17	Cheboygan	498	21	58	0
2020/12/04 15:10:17	Chippewa	382	6	533	1
2020/12/04 15:10:17	Clare	782	26	86	0
2020/12/04 15:10:17	Clinton	2872	24	198	0
2020/12/04 15:10:17	Crawford	356	5	23	0
2020/12/04 15:10:17	Delta	2291	51	322	12
2020/12/04 15:10:17	Dickinson	1747	45	114	9
2020/12/04 15:10:17	Eaton	3329	51	202	0
2020/12/04 15:10:17	Emmet	935	28	91	0
2020/12/04 15:10:17	Genesee	14341	421	1984	29
2020/12/04 15:10:17	Gladwin	795	13	119	1
2020/12/04 15:10:17	Gogebic	626	12	235	13
2020/12/04 15:10:17	Grand Traverse	1924	23	200	0
2020/12/04 15:10:17	Gratiot	1673	37	122	0
2020/12/04 15:10:17	Hillsdale	1763	39	118	2
2020/12/04 15:10:17	Houghton	1356	14	305	2
2020/12/04 15:10:17	Huron	827	16	133	0
2020/12/04 15:10:17	Ingham	9641	124	190	0
2020/12/04 15:10:17	Ionia	2662	22	49	0
2020/12/04 15:10:17	Iosco	752	26	99	1
2020/12/04 15:10:17	Iron	709	30	37	4
2020/12/04 15:10:17	Isabella	2436	25	257	0
2020/12/04 15:10:17	Jackson	5699	101	91	2
2020/12/04 15:10:17	Kalamazoo	8819	167	1306	7
2020/12/04 15:10:17	Kalkaska	365	7	28	0
2020/12/04 15:10:17	Kent	33987	373	1839	8
2020/12/04 15:10:17	Keweenaw	60	1	14	1
2020/12/04 15:10:17	Lake	215	6	5	0
2020/12/04 15:10:17	Lapeer	2572	62	317	1
2020/12/04 15:10:17	Leelanau	376	3	40	0
2020/12/04 15:10:17	Lenawee	2865	27	99	1
2020/12/04 15:10:17	Livingston	5683	51	498	1

2020/12/04 15:10:17	Luce	122	0	54	0
2020/12/04 15:10:17	Mackinac	227	1	88	0
2020/12/04 15:10:17	Macomb	38895	1262	1765	57
2020/12/04 15:10:17	Manistee	405	8	19	1
2020/12/04 15:10:17	Marquette	2760	31	328	1
2020/12/04 15:10:17	Mason	619	12	49	0
2020/12/04 15:10:17	Mecosta	1290	11	54	0
2020/12/04 15:10:17	Menominee	1256	19	151	0
2020/12/04 15:10:17	Midland	2789	28	435	2
2020/12/04 15:10:17	Missaukee	295	4	22	0
2020/12/04 15:10:17	Monroe	5358	88	501	2
2020/12/04 15:10:17	Montcalm	2095	31	135	0
2020/12/04 15:10:17	Montmorency	193	2	17	0
2020/12/04 15:10:17	Muskegon	7794	191	155	1
2020/12/04 15:10:17	Newaygo	1760	17	47	1
2020/12/04 15:10:17	Oakland	44112	1337	5902	61
2020/12/04 15:10:17	Oceana	1273	24	51	0
2020/12/04 15:10:17	Ogemaw	542	17	81	0
2020/12/04 15:10:17	Ontonagon	263	13	28	1
2020/12/04 15:10:17	Osceola	553	10	58	0
2020/12/04 15:10:17	Oscoda	188	10	34	0
2020/12/04 15:10:17	Otsego	720	17	95	1
2020/12/04 15:10:17	Ottawa	14316	155	774	18
2020/12/04 15:10:17	Presque Isle	299	3	25	1
2020/12/04 15:10:17	Roscommon	629	19	89	0
2020/12/04 15:10:17	Saginaw	9027	261	398	6
2020/12/04 15:10:17	Sanilac	950	20	28	1
2020/12/04 15:10:17	Schoolcraft	176	1	10	1
2020/12/04 15:10:17	Shiawassee	2213	47	58	1
2020/12/04 15:10:17	St Clair	4517	101	612	3
2020/12/04 15:10:17	St Joseph	2515	35	261	2
2020/12/04 15:10:17	Tuscola	1756	60	155	0
2020/12/04 15:10:17	Van Buren	2999	48	155	2
2020/12/04 15:10:17	Washtenaw	9795	139	992	2
2020/12/04 15:10:17	Wayne	43322	1505	3085	60
2020/12/04 15:10:17	Wexford	701	18	31	0
2020/12/04 15:10:17	MDOC	14755	95	328	0
2020/12/04 15:10:17	FCI	198	5	5	0
2020/12/04 15:10:17	Out-of-State	1111	6	38	1
2020/12/04 15:10:17	Unknown	1	0	11	0
2020/12/04 15:10:17	Detroit City	21386	1599	1589	116

PUBLIC USE DATASETS

Cases by Demographics Statewide

README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

CASES ANDE DEMOGRAPHICS STATEWIDE 2020-12-04

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	36	0
Confirmed	10-19	American Indian/Alaska Native	Female	119	0
Confirmed	20-29	American Indian/Alaska Native	Female	217	0
Confirmed	30-39	American Indian/Alaska Native	Female	168	Suppressed
Confirmed	40-49	American Indian/Alaska Native	Female	146	0
Confirmed	50-59	American Indian/Alaska Native	Female	148	0
Confirmed	60-69	American Indian/Alaska Native	Female	93	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Female	58	6
Confirmed	80+	American Indian/Alaska Native	Female	21	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Female	0	0
Confirmed	0-9	Asian/Pacific Islander	Female	81	0
Confirmed	10-19	Asian/Pacific Islander	Female	291	0
Confirmed	20-29	Asian/Pacific Islander	Female	616	0
Confirmed	30-39	Asian/Pacific Islander	Female	553	0
Confirmed	40-49	Asian/Pacific Islander	Female	496	0
Confirmed	50-59	Asian/Pacific Islander	Female	437	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Female	241	Suppressed
Confirmed	70-79	Asian/Pacific Islander	Female	117	12
Confirmed	80+	Asian/Pacific Islander	Female	92	28
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	422	Suppressed
Confirmed	10-19	Black/African American	Female	1243	Suppressed
Confirmed	20-29	Black/African American	Female	3981	7
Confirmed	30-39	Black/African American	Female	3662	10
Confirmed	40-49	Black/African American	Female	3361	57
Confirmed	50-59	Black/African American	Female	3177	122
Confirmed	60-69	Black/African American	Female	2792	252
Confirmed	70-79	Black/African American	Female	1748	349
Confirmed	80+	Black/African American	Female	1286	468
Confirmed	Unknown	Black/African American	Female	8	0
Confirmed	0-9	Multiple Races	Female	259	0
Confirmed	10-19	Multiple Races	Female	984	Suppressed
Confirmed	20-29	Multiple Races	Female	1718	0
Confirmed	30-39	Multiple Races	Female	1250	0
Confirmed	40-49	Multiple Races	Female	1322	Suppressed
Confirmed	50-59	Multiple Races	Female	1399	Suppressed
Confirmed	60-69	Multiple Races	Female	1021	7
Confirmed	70-79	Multiple Races	Female	544	20
Confirmed	80+	Multiple Races	Female	382	38
Confirmed	Unknown	Multiple Races	Female	7	0
Confirmed	0-9	Other	Female	454	0
Confirmed	10-19	Other	Female	1341	0
Confirmed	20-29	Other	Female	2521	0
Confirmed	30-39	Other	Female	1883	Suppressed
Confirmed	40-49	Other	Female	1803	Suppressed
Confirmed	50-59	Other	Female	1365	9
Confirmed	60-69	Other	Female	866	18

Confirmed	70-79	Other	Female	478	25
Confirmed	80+	Other	Female	354	44
Confirmed	Unknown	Other	Female	Suppressed	0
Confirmed	0-9	Unknown	Female	838	0
Confirmed	10-19	Unknown	Female	3392	0
Confirmed	20-29	Unknown	Female	8010	Suppressed
Confirmed	30-39	Unknown	Female	6321	0
Confirmed	40-49	Unknown	Female	6668	6
Confirmed	50-59	Unknown	Female	7034	11
Confirmed	60-69	Unknown	Female	4442	32
Confirmed	70-79	Unknown	Female	2080	39
Confirmed	80+	Unknown	Female	1800	106
Confirmed	Unknown	Unknown	Female	88	0
Confirmed	0-9	White	Female	2507	0
Confirmed	10-19	White	Female	11125	0
Confirmed	20-29	White	Female	21577	7
Confirmed	30-39	White	Female	15140	14
Confirmed	40-49	White	Female	15279	30
Confirmed	50-59	White	Female	16880	105
Confirmed	60-69	White	Female	13326	304
Confirmed	70-79	White	Female	8836	625
Confirmed	80+	White	Female	7945	1736
Confirmed	Unknown	White	Female	58	0
Confirmed	0-9	American Indian/Alaska Native	Male	34	0
Confirmed	10-19	American Indian/Alaska Native	Male	90	0
Confirmed	20-29	American Indian/Alaska Native	Male	156	0
Confirmed	30-39	American Indian/Alaska Native	Male	141	0
Confirmed	40-49	American Indian/Alaska Native	Male	139	0
Confirmed	50-59	American Indian/Alaska Native	Male	133	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	102	11
Confirmed	70-79	American Indian/Alaska Native	Male	51	10
Confirmed	80+	American Indian/Alaska Native	Male	18	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	107	0
Confirmed	10-19	Asian/Pacific Islander	Male	253	0
Confirmed	20-29	Asian/Pacific Islander	Male	687	0
Confirmed	30-39	Asian/Pacific Islander	Male	531	0
Confirmed	40-49	Asian/Pacific Islander	Male	440	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	403	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	254	17
Confirmed	70-79	Asian/Pacific Islander	Male	111	23
Confirmed	80+	Asian/Pacific Islander	Male	62	19
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	452	0
Confirmed	10-19	Black/African American	Male	1161	Suppressed
Confirmed	20-29	Black/African American	Male	3968	12
Confirmed	30-39	Black/African American	Male	4136	29
Confirmed	40-49	Black/African American	Male	3911	82
Confirmed	50-59	Black/African American	Male	3890	214
Confirmed	60-69	Black/African American	Male	3122	377

Confirmed	70-79	Black/African American	Male	1719	457
Confirmed	80+	Black/African American	Male	784	332
Confirmed	Unknown	Black/African American	Male	Suppressed	0
Confirmed	0-9	Multiple Races	Male	303	Suppressed
Confirmed	10-19	Multiple Races	Male	959	0
Confirmed	20-29	Multiple Races	Male	1396	0
Confirmed	30-39	Multiple Races	Male	985	0
Confirmed	40-49	Multiple Races	Male	1057	Suppressed
Confirmed	50-59	Multiple Races	Male	1110	9
Confirmed	60-69	Multiple Races	Male	918	24
Confirmed	70-79	Multiple Races	Male	507	20
Confirmed	80+	Multiple Races	Male	227	30
Confirmed	Unknown	Multiple Races	Male	Suppressed	0
Confirmed	0-9	Other	Male	498	0
Confirmed	10-19	Other	Male	1337	0
Confirmed	20-29	Other	Male	2660	Suppressed
Confirmed	30-39	Other	Male	2032	Suppressed
Confirmed	40-49	Other	Male	1905	10
Confirmed	50-59	Other	Male	1588	12
Confirmed	60-69	Other	Male	931	43
Confirmed	70-79	Other	Male	473	40
Confirmed	80+	Other	Male	203	26
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	896	0
Confirmed	10-19	Unknown	Male	3273	0
Confirmed	20-29	Unknown	Male	8137	0
Confirmed	30-39	Unknown	Male	6694	Suppressed
Confirmed	40-49	Unknown	Male	6186	14
Confirmed	50-59	Unknown	Male	6922	19
Confirmed	60-69	Unknown	Male	4359	36
Confirmed	70-79	Unknown	Male	1919	65
Confirmed	80+	Unknown	Male	974	81
Confirmed	Unknown	Unknown	Male	94	0
Confirmed	0-9	White	Male	2706	0
Confirmed	10-19	White	Male	9784	0
Confirmed	20-29	White	Male	17908	8
Confirmed	30-39	White	Male	13990	17
Confirmed	40-49	White	Male	14031	60
Confirmed	50-59	White	Male	16378	195
Confirmed	60-69	White	Male	13824	463
Confirmed	70-79	White	Male	9014	927
Confirmed	80+	White	Male	5342	1437
Confirmed	Unknown	White	Male	46	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	0	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	0	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	0	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	0	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	Suppressed	0
Confirmed	10-19	Black/African American	Unknown	9	0
Confirmed	20-29	Black/African American	Unknown	18	0
Confirmed	30-39	Black/African American	Unknown	8	0
Confirmed	40-49	Black/African American	Unknown	8	0
Confirmed	50-59	Black/African American	Unknown	12	0
Confirmed	60-69	Black/African American	Unknown	Suppressed	0
Confirmed	70-79	Black/African American	Unknown	Suppressed	0
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	0	0
Confirmed	0-9	Multiple Races	Unknown	Suppressed	0
Confirmed	10-19	Multiple Races	Unknown	6	0
Confirmed	20-29	Multiple Races	Unknown	14	0
Confirmed	30-39	Multiple Races	Unknown	10	0
Confirmed	40-49	Multiple Races	Unknown	11	0
Confirmed	50-59	Multiple Races	Unknown	9	0
Confirmed	60-69	Multiple Races	Unknown	6	0
Confirmed	70-79	Multiple Races	Unknown	Suppressed	0
Confirmed	80+	Multiple Races	Unknown	Suppressed	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	Suppressed	0
Confirmed	10-19	Other	Unknown	7	0
Confirmed	20-29	Other	Unknown	12	0
Confirmed	30-39	Other	Unknown	14	0
Confirmed	40-49	Other	Unknown	16	0
Confirmed	50-59	Other	Unknown	Suppressed	0
Confirmed	60-69	Other	Unknown	8	0
Confirmed	70-79	Other	Unknown	Suppressed	0
Confirmed	80+	Other	Unknown	Suppressed	0
Confirmed	Unknown	Other	Unknown	Suppressed	0
Confirmed	0-9	Unknown	Unknown	30	0
Confirmed	10-19	Unknown	Unknown	135	0
Confirmed	20-29	Unknown	Unknown	266	0
Confirmed	30-39	Unknown	Unknown	148	0
Confirmed	40-49	Unknown	Unknown	194	0
Confirmed	50-59	Unknown	Unknown	180	0
Confirmed	60-69	Unknown	Unknown	98	0

Confirmed	70-79	Unknown	Unknown	43	0
Confirmed	80+	Unknown	Unknown	57	0
Confirmed	Unknown	Unknown	Unknown	21	0
Confirmed	0-9	White	Unknown	Suppressed	0
Confirmed	10-19	White	Unknown	54	0
Confirmed	20-29	White	Unknown	68	0
Confirmed	30-39	White	Unknown	41	0
Confirmed	40-49	White	Unknown	36	0
Confirmed	50-59	White	Unknown	29	0
Confirmed	60-69	White	Unknown	38	0
Confirmed	70-79	White	Unknown	16	0
Confirmed	80+	White	Unknown	11	0
Confirmed	Unknown	White	Unknown	Suppressed	0
Probable	0-9	American Indian/Alaska Native	Female	12	0
Probable	10-19	American Indian/Alaska Native	Female	21	0
Probable	20-29	American Indian/Alaska Native	Female	29	0
Probable	30-39	American Indian/Alaska Native	Female	15	0
Probable	40-49	American Indian/Alaska Native	Female	18	0
Probable	50-59	American Indian/Alaska Native	Female	14	0
Probable	60-69	American Indian/Alaska Native	Female	9	0
Probable	70-79	American Indian/Alaska Native	Female	Suppressed	0
Probable	80+	American Indian/Alaska Native	Female	Suppressed	0
Probable	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Female	12	0
Probable	10-19	Asian/Pacific Islander	Female	23	0
Probable	20-29	Asian/Pacific Islander	Female	45	0
Probable	30-39	Asian/Pacific Islander	Female	26	0
Probable	40-49	Asian/Pacific Islander	Female	20	0
Probable	50-59	Asian/Pacific Islander	Female	24	0
Probable	60-69	Asian/Pacific Islander	Female	11	Suppressed
Probable	70-79	Asian/Pacific Islander	Female	6	0
Probable	80+	Asian/Pacific Islander	Female	Suppressed	0
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	48	0
Probable	10-19	Black/African American	Female	81	0
Probable	20-29	Black/African American	Female	198	0
Probable	30-39	Black/African American	Female	169	0
Probable	40-49	Black/African American	Female	176	Suppressed
Probable	50-59	Black/African American	Female	183	8
Probable	60-69	Black/African American	Female	139	12
Probable	70-79	Black/African American	Female	59	13
Probable	80+	Black/African American	Female	41	25
Probable	Unknown	Black/African American	Female	14	0
Probable	0-9	Multiple Races	Female	45	0
Probable	10-19	Multiple Races	Female	84	0
Probable	20-29	Multiple Races	Female	108	0
Probable	30-39	Multiple Races	Female	59	0
Probable	40-49	Multiple Races	Female	82	0
Probable	50-59	Multiple Races	Female	74	0
Probable	60-69	Multiple Races	Female	56	0

Probable	70-79	Multiple Races	Female	24	0
Probable	80+	Multiple Races	Female	15	Suppressed
Probable	Unknown	Multiple Races	Female	23	0
Probable	0-9	Other	Female	44	0
Probable	10-19	Other	Female	95	0
Probable	20-29	Other	Female	120	0
Probable	30-39	Other	Female	89	0
Probable	40-49	Other	Female	96	0
Probable	50-59	Other	Female	48	Suppressed
Probable	60-69	Other	Female	30	Suppressed
Probable	70-79	Other	Female	17	0
Probable	80+	Other	Female	7	0
Probable	Unknown	Other	Female	9	0
Probable	0-9	Unknown	Female	130	0
Probable	10-19	Unknown	Female	485	0
Probable	20-29	Unknown	Female	983	0
Probable	30-39	Unknown	Female	662	0
Probable	40-49	Unknown	Female	747	0
Probable	50-59	Unknown	Female	776	Suppressed
Probable	60-69	Unknown	Female	555	Suppressed
Probable	70-79	Unknown	Female	216	0
Probable	80+	Unknown	Female	152	9
Probable	Unknown	Unknown	Female	651	0
Probable	0-9	White	Female	475	0
Probable	10-19	White	Female	1122	0
Probable	20-29	White	Female	1439	0
Probable	30-39	White	Female	958	0
Probable	40-49	White	Female	1066	Suppressed
Probable	50-59	White	Female	1093	8
Probable	60-69	White	Female	709	18
Probable	70-79	White	Female	393	30
Probable	80+	White	Female	447	83
Probable	Unknown	White	Female	187	0
Probable	0-9	American Indian/Alaska Native	Male	9	0
Probable	10-19	American Indian/Alaska Native	Male	24	0
Probable	20-29	American Indian/Alaska Native	Male	26	0
Probable	30-39	American Indian/Alaska Native	Male	15	0
Probable	40-49	American Indian/Alaska Native	Male	19	0
Probable	50-59	American Indian/Alaska Native	Male	16	0
Probable	60-69	American Indian/Alaska Native	Male	9	Suppressed
Probable	70-79	American Indian/Alaska Native	Male	0	0
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Male	19	0
Probable	10-19	Asian/Pacific Islander	Male	18	0
Probable	20-29	Asian/Pacific Islander	Male	40	0
Probable	30-39	Asian/Pacific Islander	Male	33	0
Probable	40-49	Asian/Pacific Islander	Male	15	0
Probable	50-59	Asian/Pacific Islander	Male	15	Suppressed
Probable	60-69	Asian/Pacific Islander	Male	6	0

Probable	70-79	Asian/Pacific Islander	Male	Suppressed	Suppressed
Probable	80+	Asian/Pacific Islander	Male	Suppressed	Suppressed
Probable	Unknown	Asian/Pacific Islander	Male	Suppressed	0
Probable	0-9	Black/African American	Male	48	0
Probable	10-19	Black/African American	Male	84	0
Probable	20-29	Black/African American	Male	166	0
Probable	30-39	Black/African American	Male	156	0
Probable	40-49	Black/African American	Male	137	8
Probable	50-59	Black/African American	Male	153	8
Probable	60-69	Black/African American	Male	126	21
Probable	70-79	Black/African American	Male	56	26
Probable	80+	Black/African American	Male	24	15
Probable	Unknown	Black/African American	Male	8	0
Probable	0-9	Multiple Races	Male	47	0
Probable	10-19	Multiple Races	Male	83	0
Probable	20-29	Multiple Races	Male	98	0
Probable	30-39	Multiple Races	Male	57	0
Probable	40-49	Multiple Races	Male	74	Suppressed
Probable	50-59	Multiple Races	Male	61	0
Probable	60-69	Multiple Races	Male	41	0
Probable	70-79	Multiple Races	Male	19	0
Probable	80+	Multiple Races	Male	6	Suppressed
Probable	Unknown	Multiple Races	Male	32	0
Probable	0-9	Other	Male	35	0
Probable	10-19	Other	Male	91	0
Probable	20-29	Other	Male	118	0
Probable	30-39	Other	Male	100	0
Probable	40-49	Other	Male	102	0
Probable	50-59	Other	Male	55	0
Probable	60-69	Other	Male	33	Suppressed
Probable	70-79	Other	Male	12	Suppressed
Probable	80+	Other	Male	Suppressed	0
Probable	Unknown	Other	Male	8	0
Probable	0-9	Unknown	Male	147	0
Probable	10-19	Unknown	Male	494	0
Probable	20-29	Unknown	Male	864	0
Probable	30-39	Unknown	Male	674	Suppressed
Probable	40-49	Unknown	Male	596	Suppressed
Probable	50-59	Unknown	Male	653	0
Probable	60-69	Unknown	Male	409	Suppressed
Probable	70-79	Unknown	Male	173	Suppressed
Probable	80+	Unknown	Male	91	10
Probable	Unknown	Unknown	Male	513	0
Probable	0-9	White	Male	472	0
Probable	10-19	White	Male	964	0
Probable	20-29	White	Male	1214	Suppressed
Probable	30-39	White	Male	787	Suppressed
Probable	40-49	White	Male	823	Suppressed
Probable	50-59	White	Male	864	10
Probable	60-69	White	Male	638	21

Probable	70-79	White	Male	352	31
Probable	80+	White	Male	261	55
Probable	Unknown	White	Male	145	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	0	0
Probable	50-59	American Indian/Alaska Native	Unknown	0	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	0	0
Probable	0-9	Asian/Pacific Islander	Unknown	0	0
Probable	10-19	Asian/Pacific Islander	Unknown	0	0
Probable	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Unknown	0	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	0	0
Probable	0-9	Black/African American	Unknown	0	0
Probable	10-19	Black/African American	Unknown	0	0
Probable	20-29	Black/African American	Unknown	Suppressed	0
Probable	30-39	Black/African American	Unknown	Suppressed	0
Probable	40-49	Black/African American	Unknown	Suppressed	0
Probable	50-59	Black/African American	Unknown	Suppressed	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	Suppressed	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	Suppressed	0
Probable	0-9	Multiple Races	Unknown	Suppressed	0
Probable	10-19	Multiple Races	Unknown	Suppressed	0
Probable	20-29	Multiple Races	Unknown	9	0
Probable	30-39	Multiple Races	Unknown	Suppressed	0
Probable	40-49	Multiple Races	Unknown	0	0
Probable	50-59	Multiple Races	Unknown	Suppressed	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	7	0
Probable	0-9	Other	Unknown	Suppressed	0
Probable	10-19	Other	Unknown	Suppressed	0
Probable	20-29	Other	Unknown	Suppressed	0
Probable	30-39	Other	Unknown	Suppressed	0
Probable	40-49	Other	Unknown	Suppressed	0
Probable	50-59	Other	Unknown	Suppressed	0
Probable	60-69	Other	Unknown	Suppressed	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	Suppressed	0
Probable	0-9	Unknown	Unknown	38	0
Probable	10-19	Unknown	Unknown	89	0
Probable	20-29	Unknown	Unknown	191	0
Probable	30-39	Unknown	Unknown	148	0
Probable	40-49	Unknown	Unknown	170	0
Probable	50-59	Unknown	Unknown	156	0
Probable	60-69	Unknown	Unknown	107	0
Probable	70-79	Unknown	Unknown	47	Suppressed
Probable	80+	Unknown	Unknown	12	0
Probable	Unknown	Unknown	Unknown	885	0
Probable	0-9	White	Unknown	12	0
Probable	10-19	White	Unknown	25	0
Probable	20-29	White	Unknown	14	0
Probable	30-39	White	Unknown	7	0
Probable	40-49	White	Unknown	17	0
Probable	50-59	White	Unknown	18	0
Probable	60-69	White	Unknown	Suppressed	0
Probable	70-79	White	Unknown	Suppressed	0
Probable	80+	White	Unknown	Suppressed	0
Probable	Unknown	White	Unknown	17	0

PUBLIC USE DATASETS

COVID-19 Tests by County

README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

COVID-19 TESTS BY COUNTY 2020-12-04

Updated	COUNTY	TestType	Count	RatePerMillion
2020/12/04 15:10:21	Alcona	Serology	89	8554
2020/12/04 15:10:21	Alcona	Diagnostic	3596	345603
2020/12/04 15:10:21	Alcona	Total	3685	354157
2020/12/04 15:10:21	Alger	Diagnostic	4079	447848
2020/12/04 15:10:21	Alger	Serology	208	22837
2020/12/04 15:10:21	Alger	Total	4287	470685
2020/12/04 15:10:21	Allegan	Serology	1588	13448
2020/12/04 15:10:21	Allegan	Diagnostic	62809	531915
2020/12/04 15:10:21	Allegan	Total	64397	545363
2020/12/04 15:10:21	Alpena	Diagnostic	7580	266854
2020/12/04 15:10:21	Alpena	Serology	382	13448
2020/12/04 15:10:21	Alpena	Total	7962	280303
2020/12/04 15:10:21	Antrim	Serology	384	16464
2020/12/04 15:10:21	Antrim	Diagnostic	10772	461842
2020/12/04 15:10:21	Antrim	Total	11156	478306
2020/12/04 15:10:21	Arenac	Diagnostic	7664	514950
2020/12/04 15:10:21	Arenac	Serology	254	17066
2020/12/04 15:10:21	Arenac	Total	7918	532016
2020/12/04 15:10:21	Baraga	Diagnostic	4830	588379
2020/12/04 15:10:21	Baraga	Serology	49	5969
2020/12/04 15:10:21	Baraga	Total	4879	594348
2020/12/04 15:10:21	Barry	Diagnostic	30728	499236
2020/12/04 15:10:21	Barry	Serology	1143	18570
2020/12/04 15:10:21	Barry	Total	31871	517807
2020/12/04 15:10:21	Bay	Diagnostic	68700	666175
2020/12/04 15:10:21	Bay	Serology	3515	34085
2020/12/04 15:10:21	Bay	Total	72215	700260
2020/12/04 15:10:21	Benzie	Serology	354	19926
2020/12/04 15:10:21	Benzie	Diagnostic	8207	461950
2020/12/04 15:10:21	Benzie	Total	8561	481875
2020/12/04 15:10:21	Berrien	Diagnostic	130385	849962
2020/12/04 15:10:21	Berrien	Serology	3330	21708
2020/12/04 15:10:21	Berrien	Total	133715	871670
2020/12/04 15:10:21	Branch	Diagnostic	23889	548958
2020/12/04 15:10:21	Branch	Serology	241	5538
2020/12/04 15:10:21	Branch	Total	24130	554496
2020/12/04 15:10:21	Calhoun	Serology	1139	8490
2020/12/04 15:10:21	Calhoun	Diagnostic	116983	871973
2020/12/04 15:10:21	Calhoun	Total	118122	880463
2020/12/04 15:10:21	Cass	Diagnostic	23326	450422
2020/12/04 15:10:21	Cass	Serology	411	7936
2020/12/04 15:10:21	Cass	Total	23737	458358
2020/12/04 15:10:21	Charlevoix	Serology	687	26279
2020/12/04 15:10:21	Charlevoix	Diagnostic	13359	510997
2020/12/04 15:10:21	Charlevoix	Total	14046	537276
2020/12/04 15:10:21	Cheboygan	Diagnostic	7963	315042
2020/12/04 15:10:21	Cheboygan	Serology	347	13728

2020/12/04 15:10:21	Cheboygan	Total	8310	328770
2020/12/04 15:10:21	Chippewa	Diagnostic	11099	297170
2020/12/04 15:10:21	Chippewa	Serology	195	5221
2020/12/04 15:10:21	Chippewa	Total	11294	302391
2020/12/04 15:10:21	Clare	Diagnostic	9241	298578
2020/12/04 15:10:21	Clare	Serology	593	19160
2020/12/04 15:10:21	Clare	Total	9834	317738
2020/12/04 15:10:21	Clinton	Diagnostic	31662	397789
2020/12/04 15:10:21	Clinton	Serology	2905	36497
2020/12/04 15:10:21	Clinton	Total	34567	434286
2020/12/04 15:10:21	Correctional	Diagnostic	357592	
2020/12/04 15:10:21	Correctional	Serology	13247	
2020/12/04 15:10:21	Correctional	Total	370839	
2020/12/04 15:10:21	Crawford	Diagnostic	5457	388980
2020/12/04 15:10:21	Crawford	Serology	186	13258
2020/12/04 15:10:21	Crawford	Total	5643	402238
2020/12/04 15:10:21	Delta	Diagnostic	23967	669769
2020/12/04 15:10:21	Delta	Serology	381	10647
2020/12/04 15:10:21	Delta	Total	24348	680416
2020/12/04 15:10:21	Detroit City	Serology	18175	27970
2020/12/04 15:10:21	Detroit City	Diagnostic	446842	687657
2020/12/04 15:10:21	Detroit City	Total	465017	715627
2020/12/04 15:10:21	Dickinson	Diagnostic	9181	363762
2020/12/04 15:10:21	Dickinson	Serology	85	3368
2020/12/04 15:10:21	Dickinson	Total	9266	367130
2020/12/04 15:10:21	Eaton	Diagnostic	70845	642480
2020/12/04 15:10:21	Eaton	Serology	4625	41943
2020/12/04 15:10:21	Eaton	Total	75470	684423
2020/12/04 15:10:21	Emmet	Serology	1102	32979
2020/12/04 15:10:21	Emmet	Diagnostic	17656	528385
2020/12/04 15:10:21	Emmet	Total	18758	561365
2020/12/04 15:10:21	Genesee	Serology	13584	33474
2020/12/04 15:10:21	Genesee	Diagnostic	203833	502283
2020/12/04 15:10:21	Genesee	Total	217417	535757
2020/12/04 15:10:21	Gladwin	Diagnostic	8658	340210
2020/12/04 15:10:21	Gladwin	Serology	518	20354
2020/12/04 15:10:21	Gladwin	Total	9176	360564
2020/12/04 15:10:21	Gogebic	Diagnostic	13127	939320
2020/12/04 15:10:21	Gogebic	Serology	163	11664
2020/12/04 15:10:21	Gogebic	Total	13290	950984
2020/12/04 15:10:21	Grand Traverse	Diagnostic	45762	491599
2020/12/04 15:10:21	Grand Traverse	Serology	3005	32281
2020/12/04 15:10:21	Grand Traverse	Total	48767	523881
2020/12/04 15:10:21	Gratiot	Serology	641	15745
2020/12/04 15:10:21	Gratiot	Diagnostic	31286	768490
2020/12/04 15:10:21	Gratiot	Total	31927	784235
2020/12/04 15:10:21	Hillsdale	Serology	497	10898
2020/12/04 15:10:21	Hillsdale	Diagnostic	25270	554106
2020/12/04 15:10:21	Hillsdale	Total	25767	565004
2020/12/04 15:10:21	Houghton	Diagnostic	25096	703284

2020/12/04 15:10:21	Houghton	Serology	195	5465
2020/12/04 15:10:21	Houghton	Total	25291	708749
2020/12/04 15:10:21	Huron	Diagnostic	17749	572900
2020/12/04 15:10:21	Huron	Serology	370	11943
2020/12/04 15:10:21	Huron	Total	18119	584842
2020/12/04 15:10:21	Ingham	Serology	15538	53138
2020/12/04 15:10:21	Ingham	Diagnostic	195448	668413
2020/12/04 15:10:21	Ingham	Total	210986	721552
2020/12/04 15:10:21	Ionia	Serology	1463	22613
2020/12/04 15:10:21	Ionia	Diagnostic	41806	646181
2020/12/04 15:10:21	Ionia	Total	43269	668795
2020/12/04 15:10:21	Iosco	Diagnostic	13830	550404
2020/12/04 15:10:21	Iosco	Serology	288	11462
2020/12/04 15:10:21	Iosco	Total	14118	561866
2020/12/04 15:10:21	Iron	Diagnostic	15490	1399783
2020/12/04 15:10:21	Iron	Serology	54	4880
2020/12/04 15:10:21	Iron	Total	15544	1404663
2020/12/04 15:10:21	Isabella	Diagnostic	28347	405699
2020/12/04 15:10:21	Isabella	Serology	791	11321
2020/12/04 15:10:21	Isabella	Total	29138	417020
2020/12/04 15:10:21	Jackson	Diagnostic	131322	828478
2020/12/04 15:10:21	Jackson	Serology	1983	12510
2020/12/04 15:10:21	Jackson	Total	133305	840988
2020/12/04 15:10:21	Kalamazoo	Diagnostic	173196	653407
2020/12/04 15:10:21	Kalamazoo	Serology	4675	17637
2020/12/04 15:10:21	Kalamazoo	Total	177871	671044
2020/12/04 15:10:21	Kalkaska	Diagnostic	10677	591917
2020/12/04 15:10:21	Kalkaska	Serology	352	19514
2020/12/04 15:10:21	Kalkaska	Total	11029	611431
2020/12/04 15:10:21	Kent	Serology	26202	39884
2020/12/04 15:10:21	Kent	Diagnostic	502695	765189
2020/12/04 15:10:21	Kent	Total	528897	805073
2020/12/04 15:10:21	Keweenaw	Diagnostic	1272	601134
2020/12/04 15:10:21	Keweenaw	Serology	20	9452
2020/12/04 15:10:21	Keweenaw	Total	1292	610586
2020/12/04 15:10:21	Lake	Serology	141	11896
2020/12/04 15:10:21	Lake	Diagnostic	5418	457099
2020/12/04 15:10:21	Lake	Total	5559	468995
2020/12/04 15:10:21	Lapeer	Diagnostic	38689	441620
2020/12/04 15:10:21	Lapeer	Serology	2038	23263
2020/12/04 15:10:21	Lapeer	Total	40727	464883
2020/12/04 15:10:21	Leelanau	Diagnostic	8180	375902
2020/12/04 15:10:21	Leelanau	Serology	471	21644
2020/12/04 15:10:21	Leelanau	Total	8651	397546
2020/12/04 15:10:21	Lenawee	Diagnostic	57549	584545
2020/12/04 15:10:21	Lenawee	Serology	1192	12108
2020/12/04 15:10:21	Lenawee	Total	58741	596652
2020/12/04 15:10:21	Livingston	Diagnostic	109913	572478
2020/12/04 15:10:21	Livingston	Serology	5494	28615
2020/12/04 15:10:21	Livingston	Total	115407	601094

2020/12/04 15:10:21	Luce	Diagnostic	3494	560925
2020/12/04 15:10:21	Luce	Serology	38	6100
2020/12/04 15:10:21	Luce	Total	3532	567025
2020/12/04 15:10:21	Mackinac	Serology	76	7038
2020/12/04 15:10:21	Mackinac	Diagnostic	5008	463747
2020/12/04 15:10:21	Mackinac	Total	5084	470784
2020/12/04 15:10:21	Macomb	Serology	36239	41465
2020/12/04 15:10:21	Macomb	Diagnostic	468171	535682
2020/12/04 15:10:21	Macomb	Total	504410	577147
2020/12/04 15:10:21	Manistee	Diagnostic	10283	418723
2020/12/04 15:10:21	Manistee	Serology	517	21052
2020/12/04 15:10:21	Manistee	Total	10800	439775
2020/12/04 15:10:21	Marquette	Diagnostic	72632	1088952
2020/12/04 15:10:21	Marquette	Serology	1031	15458
2020/12/04 15:10:21	Marquette	Total	73663	1104409
2020/12/04 15:10:21	Mason	Diagnostic	18358	629907
2020/12/04 15:10:21	Mason	Serology	673	23092
2020/12/04 15:10:21	Mason	Total	19031	652999
2020/12/04 15:10:21	Mecosta	Diagnostic	23640	544036
2020/12/04 15:10:21	Mecosta	Serology	614	14130
2020/12/04 15:10:21	Mecosta	Total	24254	558166
2020/12/04 15:10:21	Menominee	Diagnostic	13248	581563
2020/12/04 15:10:21	Menominee	Serology	62	2722
2020/12/04 15:10:21	Menominee	Total	13310	584284
2020/12/04 15:10:21	Midland	Serology	3621	43545
2020/12/04 15:10:21	Midland	Diagnostic	28746	345688
2020/12/04 15:10:21	Midland	Total	32367	389232
2020/12/04 15:10:21	Missaukee	Diagnostic	5608	370949
2020/12/04 15:10:21	Missaukee	Serology	250	16537
2020/12/04 15:10:21	Missaukee	Total	5858	387485
2020/12/04 15:10:21	Monroe	Serology	3222	21409
2020/12/04 15:10:21	Monroe	Diagnostic	79207	526292
2020/12/04 15:10:21	Monroe	Total	82429	547701
2020/12/04 15:10:21	Montcalm	Diagnostic	44477	696171
2020/12/04 15:10:21	Montcalm	Serology	1470	23009
2020/12/04 15:10:21	Montcalm	Total	45947	719180
2020/12/04 15:10:21	Montmorency	Diagnostic	3466	371569
2020/12/04 15:10:21	Montmorency	Serology	204	21870
2020/12/04 15:10:21	Montmorency	Total	3670	393439
2020/12/04 15:10:21	Muskegon	Diagnostic	125984	725856
2020/12/04 15:10:21	Muskegon	Serology	2103	12116
2020/12/04 15:10:21	Muskegon	Total	128087	737973
2020/12/04 15:10:21	Newaygo	Serology	989	20192
2020/12/04 15:10:21	Newaygo	Diagnostic	26140	533687
2020/12/04 15:10:21	Newaygo	Total	27129	553879
2020/12/04 15:10:21	Oakland	Diagnostic	757788	602574
2020/12/04 15:10:21	Oakland	Serology	78741	62613
2020/12/04 15:10:21	Oakland	Total	836529	665187
2020/12/04 15:10:21	Oceana	Diagnostic	23454	886160
2020/12/04 15:10:21	Oceana	Serology	505	19080

2020/12/04 15:10:21	Oceana	Total	23959	905240
2020/12/04 15:10:21	Ogemaw	Serology	284	13526
2020/12/04 15:10:21	Ogemaw	Diagnostic	9203	438301
2020/12/04 15:10:21	Ogemaw	Total	9487	451826
2020/12/04 15:10:21	Ontonagon	Diagnostic	5343	934091
2020/12/04 15:10:21	Ontonagon	Serology	48	8392
2020/12/04 15:10:21	Ontonagon	Total	5391	942483
2020/12/04 15:10:21	Osceola	Diagnostic	14416	614493
2020/12/04 15:10:21	Osceola	Serology	490	20887
2020/12/04 15:10:21	Osceola	Total	14906	635379
2020/12/04 15:10:21	Oscoda	Diagnostic	2989	362699
2020/12/04 15:10:21	Oscoda	Serology	149	18080
2020/12/04 15:10:21	Oscoda	Total	3138	380779
2020/12/04 15:10:21	Otsego	Serology	450	18242
2020/12/04 15:10:21	Otsego	Diagnostic	10235	414910
2020/12/04 15:10:21	Otsego	Total	10685	433152
2020/12/04 15:10:21	Ottawa	Diagnostic	217538	745427
2020/12/04 15:10:21	Ottawa	Serology	7981	27348
2020/12/04 15:10:21	Ottawa	Total	225519	772775
2020/12/04 15:10:21	Presque Isle	Serology	259	20569
2020/12/04 15:10:21	Presque Isle	Diagnostic	5507	437341
2020/12/04 15:10:21	Presque Isle	Total	5766	457910
2020/12/04 15:10:21	Roscommon	Serology	433	18027
2020/12/04 15:10:21	Roscommon	Diagnostic	11492	478455
2020/12/04 15:10:21	Roscommon	Total	11925	496482
2020/12/04 15:10:21	Saginaw	Serology	4503	23633
2020/12/04 15:10:21	Saginaw	Diagnostic	143812	754764
2020/12/04 15:10:21	Saginaw	Total	148315	778397
2020/12/04 15:10:21	Sanilac	Diagnostic	26339	639762
2020/12/04 15:10:21	Sanilac	Serology	664	16128
2020/12/04 15:10:21	Sanilac	Total	27003	655890
2020/12/04 15:10:21	Schoolcraft	Diagnostic	3649	450828
2020/12/04 15:10:21	Schoolcraft	Serology	52	6425
2020/12/04 15:10:21	Schoolcraft	Total	3701	457252
2020/12/04 15:10:21	Shiawassee	Serology	1870	27451
2020/12/04 15:10:21	Shiawassee	Diagnostic	40979	601553
2020/12/04 15:10:21	Shiawassee	Total	42849	629004
2020/12/04 15:10:21	St Clair	Diagnostic	80386	505166
2020/12/04 15:10:21	St Clair	Serology	5096	32025
2020/12/04 15:10:21	St Clair	Total	85482	537190
2020/12/04 15:10:21	St Joseph	Serology	1057	17338
2020/12/04 15:10:21	St Joseph	Diagnostic	33698	552752
2020/12/04 15:10:21	St Joseph	Total	34755	570091
2020/12/04 15:10:21	Tuscola	Diagnostic	39979	765222
2020/12/04 15:10:21	Tuscola	Serology	1056	20212
2020/12/04 15:10:21	Tuscola	Total	41035	785434
2020/12/04 15:10:21	Unknown	Serology	18785	
2020/12/04 15:10:21	Unknown	Diagnostic	269565	
2020/12/04 15:10:21	Unknown	Total	288350	
2020/12/04 15:10:21	Van Buren	Diagnostic	58376	771384

2020/12/04 15:10:21	Van Buren	Serology	1019	13465
2020/12/04 15:10:21	Van Buren	Total	59395	784849
2020/12/04 15:10:21	Washtenaw	Diagnostic	297883	810343
2020/12/04 15:10:21	Washtenaw	Serology	12781	34769
2020/12/04 15:10:21	Washtenaw	Total	310664	845112
2020/12/04 15:10:21	Wayne	Diagnostic	762546	690830
2020/12/04 15:10:21	Wayne	Serology	52288	47370
2020/12/04 15:10:21	Wayne	Total	814834	738200
2020/12/04 15:10:21	Wexford	Diagnostic	16506	490797
2020/12/04 15:10:21	Wexford	Serology	547	16265
2020/12/04 15:10:21	Wexford	Total	17053	507062

PUBLIC USE DATASETS

Diagnostic Tests by Result and County

README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to deduplicate testing data, some duplication may occur.

DIAGNOSTIC TESTS BY RESULT AND COUNTY 2020-12-04

MessageDate	COUNTY	Negative	Positive	Total
12/3/2020	Alcona	36	7	43
12/3/2020	Alger	5	3	8
12/3/2020	Allegan	428	76	504
12/3/2020	Alpena	54	24	78
12/3/2020	Antrim	129	11	140
12/3/2020	Arenac	55	9	64
12/3/2020	Baraga	65	21	86
12/3/2020	Barry	204	28	232
12/3/2020	Bay	590	114	704
12/3/2020	Benzie	25	15	40
12/3/2020	Berrien	823	255	1078
12/3/2020	Branch	228	47	275
12/3/2020	Calhoun	650	92	742
12/3/2020	Cass	113	49	162
12/3/2020	Charlevoix	125	21	146
12/3/2020	Cheboygan	114	18	132
12/3/2020	Chippewa	172	6	178
12/3/2020	Clare	77	7	84
12/3/2020	Clinton	254	21	275
12/3/2020	Correctional	4882	1209	6091
12/3/2020	Crawford	57	3	60
12/3/2020	Delta	132	22	154
12/3/2020	Detroit City	3754	375	4129
12/3/2020	Dickinson	79	28	107
12/3/2020	Eaton	501	103	604
12/3/2020	Emmet	201	10	211
12/3/2020	Genesee	1689	311	2000
12/3/2020	Gladwin	36	8	44
12/3/2020	Gogebic	50	9	59
12/3/2020	Grand Traverse	292	49	341
12/3/2020	Gratiot	275	22	297
12/3/2020	Hillsdale	111	68	179
12/3/2020	Houghton	482	33	515
12/3/2020	Huron	139	36	175
12/3/2020	Ingham	1405	167	1572
12/3/2020	Ionia	262	39	301
12/3/2020	Iosco	93	9	102
12/3/2020	Iron	31	8	39
12/3/2020	Isabella	261	36	297
12/3/2020	Jackson	956	173	1129
12/3/2020	Kalamazoo	1117	151	1268
12/3/2020	Kalkaska	61	8	69
12/3/2020	Kent	3311	594	3905
12/3/2020	Keweenaw	22	0	22
12/3/2020	Lake	24	5	29
12/3/2020	Lapeer	256	53	309
12/3/2020	Leelanau	31	6	37

12/3/2020	Lenawee	864	99	963
12/3/2020	Livingston	591	110	701
12/3/2020	Luce	74	1	75
12/3/2020	Mackinac	96	4	100
12/3/2020	Macomb	4251	840	5091
12/3/2020	Manistee	27	10	37
12/3/2020	Marquette	489	49	538
12/3/2020	Mason	116	13	129
12/3/2020	Mecosta	150	14	164
12/3/2020	Menominee	214	11	225
12/3/2020	Midland	275	14	289
12/3/2020	Missaukee	77	4	81
12/3/2020	Monroe	1005	154	1159
12/3/2020	Montcalm	296	51	347
12/3/2020	Montmorency	40	6	46
12/3/2020	Muskegon	803	164	967
12/3/2020	Newaygo	121	31	152
12/3/2020	Oakland	6321	848	7169
12/3/2020	Oceana	225	55	280
12/3/2020	Ogemaw	182	16	198
12/3/2020	Ontonagon	17	5	22
12/3/2020	Osceola	80	8	88
12/3/2020	Oscoda	29	11	40
12/3/2020	Otsego	83	12	95
12/3/2020	Ottawa	2040	346	2386
12/3/2020	Presque Isle	76	26	102
12/3/2020	Roscommon	132	14	146
12/3/2020	Saginaw	847	187	1034
12/3/2020	Sanilac	257	41	298
12/3/2020	Schoolcraft	93	3	96
12/3/2020	Shiawassee	425	55	480
12/3/2020	St Clair	908	137	1045
12/3/2020	St Joseph	185	50	235
12/3/2020	Tuscola	213	55	268
12/3/2020	Unknown	1669	141	1810
12/3/2020	Van Buren	437	134	571
12/3/2020	Washtenaw	2220	198	2418
12/3/2020	Wayne	6880	1118	7998
12/3/2020	Wexford	180	19	199